| In | idex | of C | aims |  |
|----|------|------|------|--|
|    |      |      |      |  |

| Application No. | Applicant(s)       |
|-----------------|--------------------|
| 09/898,795      | MURRAY, DOUGLAS J. |
| Examiner        | Art Unit           |

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Rejected

Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-  | Elected |
|---|-------|---------|
| ı | Inter | ference |

Kenn Thompson

| Α | Appeal   |
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| Cla      | aim      | Date     |   |          |              |          | Date Claim Date |          |          |          |          |          |              |          |           |          | ٦         | Claim Date                                     |          |          |          |             |            |          |          |  | $\neg$       |              |                 |          |   |
|----------|----------|----------|---|----------|--------------|----------|-----------------|----------|----------|----------|----------|----------|--------------|----------|-----------|----------|-----------|--|----------|----------|----------|-------------|------------|----------|----------|--|--------------|--------------|-----------------|----------|---|
|          |          | -        |   | T        | Ť            | Ť        |                 | П        | Т        | ┨        |          |          |              |          |           | Ť        | T         | T  | T        | Т        | 1        |             |            | Т        | Т        | Τ  | T            | П            |                 |          |   |
| Final    | Original | 11/15/04 |   | -        |              |          |                 | - 1      |          |          | Final    | Original |              |          |           |          | - 1       |  |          |          |          | Final       | Original   |          |          |  |              |              |                 |          |   |
| i≟       | Ę        | ٦        |   |          |              |          |                 |          |          |          | 证        | Ĕ        |              |          |           |          |           |  |          |          |          | iĒ          | Ę          |          |          | 1  |              |              |                 |          |   |
|          | ٥        | Ľ        |   |          |              |          |                 |          |          |          |          |          | L            |          |           |          | ╝         |  |          | $\bot$   |          |             |            | $\perp$  | $\perp$  | $\perp$  | L            | L            | L               |          |   |
|          | +        |          |   |          |              |          | $\Box$          |          |          |          |          | 51       | П            |          | $\Box$    |          | $\Box$    |  | $\perp$  | $\perp$  |          |             | 101        |          |          |  |              |              |                 |          |   |
|          | 1        |          |   | $\perp$  | $\perp$      | $\perp$  | _               | $\perp$  | $\perp$  |          |          | 52       | L            |          | $\Box$    |          | _         | $\perp$  | $\perp$  |          |          |             | 102        |          | $\perp$  |  | _            |              | Ш               |          |   |
|          | - 3      | L_       |   | ᆚ        | ┙            | $\perp$  | $\perp$         |          |          |          |          | 53       |              |          |           |          |           |  | _        |          |          |             | 103        | $\perp$  |          | <u> </u>                                       |              |              |                 |          |   |
|          |          |          |   |          | ┙            | $\perp$  |                 | _        | _        | _        |          | 54       |              |          | _         | _        | _         | $\perp$  | 4        |          |          |             | 104        | _        |          | L  | _            | _            | Ш               |          |   |
|          | 1        | L        |   | _        | ┸            | _        | _               |          |          |          |          | 55       |              |          | _         | _        | _         | _  | _        |          | _        |             | 105        | $\perp$  | $\perp$  | ┖  | $\perp$      | $oxed{oxed}$ | Ш               |          |   |
|          | 4        | L_       |   | $\perp$  | 4            | _        | 4               | _        | _        | _        | <u> </u> | 56       |              |          | _         | _        | _         | 4  | 4        | _ _      | _        |             | 106        |          | $\bot$   | _  | <u> </u>     | <u> </u>     |                 |          |   |
|          | 1        | <u> </u> | <u> </u>                                | $\perp$  | 4            | 4        | 4               | _        | 4        | _        | ļ        | 57       | _            |          | _         | _        | _         | $\perp$  | 4        | 4        | 4        | <u> </u>    | 107        |          | +        | ┡  | <b> </b>     | <u> </u>     | Ш               |          |   |
| ļ        | 1        | <u> </u> |   | $\perp$  | 4            | 4        | 4               | _        | _        | _        |          | 58       | $oxed{oxed}$ | $\Box$   | $\dashv$  | $\dashv$ |           | $\dashv$                                       | $\dashv$ | -        | _        |             | 108        | $\dashv$ | $\bot$   | ┡  |              | $\vdash$     | L.              | $\dashv$ | _ |
| <u> </u> | 9        | ļ        |   | +        | +            | $\dashv$ | _               | _        | 4        |          |          | 59       |              | $\dashv$ | _         | _        | _         | $\dashv$                                       | $\dashv$ |          | _        |             | 109        |          | +        | ┡  | ļ            | ļ            | -               |          |   |
|          | 10       | _        |   | $\perp$  | 4            | -        |                 |          | -        | _        | -        | 60       |              | -        | 4         | 4        | _         | -  | 4        | _        | 4        |             | 110        | $\dashv$ | +        | ╄  | $\vdash$     | ┢            | Ш               | -        |   |
| <u> </u> | 4+       | ١,       |   | +        | 4            | $\dashv$ | -               |          | -        |          |          | 61       | _            |          |           | $\dashv$ | $\dashv$  | +  | 4        | -        | 4        |             | 111        | _        | +        | ╀  | $\vdash$     | ⊢            | Ш               | $\dashv$ |   |
| <u> </u> | 12       | 1        |   | +        | +            | $\dashv$ |                 |          | -        | $\dashv$ | -        | 62       | <u> </u>     |          | $\dashv$  | -        | -         | +  | +        | +        | 4        |             | 112        | -        | +        | ╁  | ┼            | $\vdash$     | Н               | $\dashv$ |   |
| <u> </u> | 13       | 1        | $\vdash$                                | -        | +            | $\dashv$ | -               | $\dashv$ | $\dashv$ | $\dashv$ | -        | 63<br>64 | $\vdash$     | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | +  | +        | +        | -        | <u> </u>    | 113<br>114 | -        |          | ╀  | $\vdash$     | -            | $\vdash$        |          |   |
|          |          | 0        | ├┼                                      | +        | +            | -        |                 | $\dashv$ | $\dashv$ | $\dashv$ | -        | 65       |              |          | $\dashv$  | $\dashv$ |           | +  | +        | +-       | -        | <del></del> | 115        |          |          | ╁  | ╁            | ⊢            | $\vdash$        | $\vdash$ |   |
| $\vdash$ | 15<br>16 | ۲        | -                                       | +        | +            | +        | -               |          | $\dashv$ | $\dashv$ | -        | 66       | $\vdash$     | $\vdash$ | $\dashv$  | -        | +         | +  | +        | +        | $\dashv$ | <del></del> | 116        | -        |          | +-   | ┼            | ├            | $\vdash \vdash$ | -        | - |
| <u> </u> | 17       | ┢        | $\vdash$                                | +        | ╅            | ┰        | -               |          | $\dashv$ | $\dashv$ | -        | 67       | $\vdash$     |          | $\dashv$  | $\dashv$ | $\dashv$  | +  | +        | +        | $\dashv$ | $\vdash$    | 117        | -        | - -      | ╁╌   | ╁            | -            | $\vdash$        | $\vdash$ | - |
| -        | 18       | =        | ├─├                                     |          | ╬            | ┰        | -+              | -        | $\dashv$ | $\dashv$ | -        | 68       |              |          | $\dashv$  | $\dashv$ | $\dashv$  | +  | +        |          | $\dashv$ | <del></del> | 118        |          |          | -  | -            | -            |                 |          |   |
|          | 19       | 0        | $\vdash$                                | +        | ╁            | $\dashv$ | $\dashv$        |          | $\dashv$ | $\dashv$ | -        | 69       |              |          | -         | +        |           | +  | +        |          | ┥        |             | 119        | -+-      | +        | ┢  | ╁╌           | ├            | -               |          |   |
|          | 20       | =        | ┝╌┼╴                                    | ╁        | ╁            | -+       | -+              | $\dashv$ | $\dashv$ | $\dashv$ | -        | 70       |              | $\dashv$ | -         |          | -         | +  | +        | +        | ┥        | <u> </u>    | 120        | -        | $\dashv$ | ┢  | ╁╌           | $\vdash$     | Н               | -        |   |
| -        | 21       | =        | $\vdash$                                | +        | ┿            | $\dashv$ | -+              | -        | $\dashv$ |          |          | 71       |              |          | $\dashv$  | $\dashv$ | $\dashv$  | +  | $\dashv$ | -        | ┨        | <del></del> | 121        |          | +-       | ╁  | ╁╌           | -            | H               |          |   |
|          | 22       | =        | $\vdash$                                | ╁        | +            | -+       |                 | $\dashv$ | $\dashv$ | $\dashv$ | -        | 72       |              |          | -         | -        | _         | $\dashv$                                       | +        | _        | ┨        | <b></b>     | 122        | $\dashv$ | +        | 1  | ╁            | _            | Н               |          |   |
| -        | 23       | =        | $\vdash$                                | +        | +            | +        | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | -        | 73       | -            | $\neg$   | $\dashv$  | ᅥ        | $\dashv$  | +  | $\dashv$ |          | ┪        | <u> </u>    | 123        | -        | $\vdash$ | 1  | 1            |              | H               |          |   |
| $\vdash$ | -240     | ┝▔       | ╁                                       | +        | +            | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | -        | 74       |              |          | -         | $\dashv$ |           | $\dashv$                                       | -+       | +        | ┪        | $\vdash$    | 124        | $\dashv$ | +        | ╁╌   | ╁            |              | H               |          | _ |
|          | 25       | =        | H                                       | +        | +            | $\dashv$ | $\dashv$        | $\dashv$ | _        | ┥        |          | 75       |              |          | _         |          | 寸         | $\dashv$                                       | 十        | $\top$   | ┪.       |             | 125        |          | +        | 1  | T            | _            |                 |          | _ |
|          | 26       | =        |   | $\top$   | 十            | 十        | _               | 寸        | _        | $\neg$   |          | 76       |              |          | $\dashv$  | 寸        | $\dashv$  | 7  | +        |          | 7        |             | 126        | $\dashv$ | $\top$   | T  | t            | _            |                 |          |   |
|          | 27       | 0        |   | +        | _            | 十        | 寸               |          | _        | ┥.       |          | 77       |              |          | 寸         | 寸        | $\dashv$  | +  | _        | $\dashv$ | 7        |             | 127        | $\neg +$ |          | T  | 1            |              | П               |          |   |
|          | 28       | =        | H                                       | $\dashv$ | 十            | _        | _               | $\dashv$ | 寸        | _        |          | 78       |              |          | $\neg$    | _        | _         | $\neg$   | $\top$   |          | ヿ゙       | <u> </u>    | 128        |          | 1        | 1-   | 1            |              | П               |          |   |
|          | 29       | 1        |   | 十        | T            | 寸        | 寸               |          | 一        | Ti.      |          | 79       |              |          |           |          |           | ┪  | T        |          | 7        |             | 129        |          | T        |  |              |              | П               |          |   |
|          | 30       | 1        |   | $\top$   | Ť            | 十        | 寸               | ヿ        | 寸        | ┥.       |          | 80       |              |          | $\exists$ | 寸        | $\exists$ | $\neg$   |          |          | 7        |             | 130        |          | $\dashv$ | 1  | $\top$       |              |                 |          |   |
|          | 31       |          |   | $\top$   | 7            | $\top$   | 7               | $\neg$   | $\neg$   | $\neg$   |          | 81       |              |          |           | T        | $\neg$    |  | T        | T        | 7        |             | 131        |          |          |  | 1            |              |                 |          |   |
|          | 32       | Г        | $\sqcap$                                | $\top$   | $\top$       | $\neg$   | 7               |          | $\neg$   | $\neg$   |          | 82       |              |          |           | T        | $\neg$    |  |          |          |          |             | 132        |          |          |  | Ľ            | L            |                 |          |   |
|          | 33       |          |   |          |              |          | ╛               | $\Box$   |          |          |          | 83       |              |          |           | J        | J         | $\Box$   |          |          | ]        |             | 133        |          |          |  |              |              |                 |          |   |
|          | 34       |          |   | $\Box$   | T            |          | $\Box$          |          |          |          |          | 84       |              |          |           |          |           |  |          |          | ] .      |             | 134        | $\Box$   |          |  |              | L            |                 |          |   |
|          | 35       |          |   | $\perp$  | $oxed{oxed}$ | $\Box$   | $\Box$          |          |          |          |          | 85       |              |          |           |          |           |  | $\Box$   |          |          |             | 135        | $\Box$   | L        |  | $\perp$      | $oxed{\Box}$ |                 |          |   |
|          | 36       |          |   | $\perp$  | I            | $\perp$  | $\Box$          | $\Box$   | $\Box$   | $\Box$   |          | 86       |              |          |           | $\Box$   | [         | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ | $\bot$   |          | _        |             | 136        | $\bot$   |          |  | $oxed{\Box}$ | 匚            | Щ               |          |   |
|          | 37       | 匚        |   |          |              | $\perp$  | _[              |          |          |          |          | 87       | Ш            |          | [         | _[       | _[        |  |          |          | _        | L           | 137        | $\perp$  |          |  | <u> </u>     | ļ            | Ш               |          |   |
| <u></u>  | 38       | L_       | $\sqcup \!\!\! \perp$                   | _        | 4            | _        | _               |          | _ļ       | _        | <u> </u> | 88       |              |          |           | _        | ļ         | _  | 4        | $\bot$   | 4        | $\vdash$    | 138        | _        | 4        | 1_   | <u> </u>     | ↓            | Щ               | Щ        | _ |
| <u></u>  | 39       | L_       | $\sqcup \bot$                           | $\perp$  | $\perp$      | _        |                 |          | _ļ       |          |          | 89       | Щ            |          |           | ļ        | _ļ        | $\downarrow$                                   | $\perp$  | $\bot$   | 4        | <u></u>     | 139        |          | $\bot$   | 1  | _            | ـــــ        | Ш               |          |   |
|          | 40       | <u> </u> | $\sqcup$                                | $\perp$  | $\perp$      | _        | $\dashv$        | _        | _        | _        | <u> </u> | 90       | L            | Щ        | -         | _        | _ļ        | $\perp$  | 4        |          | 4        |             | 140        | _        | 4        | <b> </b>                                       | ↓_           | <u> </u>     | Ш               |          | _ |
| <u></u>  | 41       | <u> </u> | $\sqcup \bot$                           | _        | 4            | 4        | _               | _        | _        | _        | -        | 91       | $\sqcup$     | Ш        |           | _        | _         | $\perp$  | 4        | $\bot$   | 4        | Ь—          | 141        | _        | 4-       | 1  | _            | $\vdash$     | Ш               |          |   |
| <u> </u> | 42       | <u> </u> | $\vdash$                                | 4        | 4            | _        | _               |          | _        | _        |          | 92       | Щ            |          | _         | _        | _         | _  | 4        | _ _      | 4        | <u> </u>    | 142        | _        | -        | <del> </del>                                   | ╄-           | ├-           | Ш               | $\vdash$ |   |
| -        | 43       | <u> </u> | $\vdash$                                | +        | +            | $\dashv$ | $\dashv$        |          | _        |          |          | 93       |              |          | 4         | _        |           |  | +        | +        | 4        | <u></u>     | 143        | -        |          | ┼  | -            | ₩            | Ш               |          |   |
|          | 44       | ├        | $\vdash \vdash$                         | +        | +            | +        | $\dashv$        | $\dashv$ | $\dashv$ |          |          | 94       | <u> </u>     | -        | 4         | 4        |           | +  | +        | -        | $\dashv$ | ⊢           | 144        | +        |          | +-   | ╁            | ┼            | $\vdash$        | $\vdash$ |   |
| <u> </u> | 45       | -        | $\vdash$                                | +        | +            | $\dashv$ | $\dashv$        |          | -        | $\dashv$ | -        | 95       | $\vdash$     | $\dashv$ | -         |          | $\dashv$  | +  | +        | +        | $\dashv$ | ⊢           | 145        | -+       | +        | +  | +            | ╀            | $\vdash\vdash$  | $\vdash$ |   |
| <u> </u> | 46       | ├-       | ⊢┼                                      | +        | +            | -        | 4               |          | -+       | -        | -        | 96<br>97 | $\vdash$     | $\vdash$ | -         | $\dashv$ | $\dashv$  | +  | +        | +        | 4        | <u> </u>    | 146        | +        | +        | +  | +            | $\vdash$     | Н               | H        | _ |
| -        | 47       | $\vdash$ | $\vdash$                                | +        | +            | $\dashv$ | $\dashv$        |          | -        | $\dashv$ | -        | 98       | -            | $\vdash$ | -         | $\dashv$ | -         | +  | $\dashv$ | +        | $\dashv$ | ├─-         | 147<br>148 | $\dashv$ | +        | ╁  | $\vdash$     | ╂-           | $\vdash\vdash$  | Н        |   |
| -        | 48<br>49 | ⊢        |   | +        | +            | +        | $\dashv$        |          | -        | $\dashv$ | $\vdash$ | 98       | $\vdash$     | $\vdash$ |           | $\dashv$ | $\dashv$  | +  | +        | +        | $\dashv$ | <u></u>     | 148        | -        | +-       | +  | +            | $\vdash$     | Н               | $\vdash$ | - |
| -        | 50       | -        |   | +        | +            | $\dashv$ | -               | $\dashv$ | -        | $\dashv$ | $\vdash$ | 100      | $\vdash$     | -        | +         | $\dashv$ | -         | +  | +        | $\dashv$ | $\dashv$ | <u> </u>    | 150        | +        | +        | +  | +            | $\vdash$     | Н               | $\vdash$ |   |
| Ь        | 100      | <u> </u> | ـــــــــــــــــــــــــــــــــــــــ | i_       | L            | L        |                 | i        |          |          | Ь        | 1100     | Щ.           | لـــا    |           |          |           | $\perp$ L                                      |          | _1.      | ┙        |             | 130        |          |          | <u> L.                                    </u> |              | 1            | L               |          |   |